



Wisconsin Entomological Society Newsletter

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1999 Wisconsin Lepidoptera Season Summary

by Leslie A. Ferge



The onset of the 1999 season was early, but not as early as last year. Summer temperatures were not unusual, but dry conditions prevailed later in the season. Mild weather persisted well into fall. Michael Sabourin stated this was the first time in the six years he's lived in the Midwest that he was able to collect moths for 11 months of the year (Feb.-Dec.). It was an outstanding year for southern migrants and strays, if not the best on record. Reports from 15 contributors provided excellent documentation of the butterflies, recording almost every migrant species likely to occur, except *Pyrgus communis*. *Hylephila phyleus* and *Junonia coenia* were frequently encountered with *J. coenia* occurring much further north than in most other seasons. Other migrants recorded were *Atalopedes campestris*, *Pontia protodice*, *Collas cesonia*, *Eurema lisa*, *Eurema nictippe*, *Nathalis tole*, *Strymon melinus*, *Hemiargus isola*, *Libytheana carinenta*, and *Euptoleta claudia*. *Phoebis sennae eubule* was found in Wisconsin for the second year in a row, having arrived early enough in the season to produce a brood that emerged in late

August. The wings of one newly-emerged individual were so soft that it could barely fly. A most unexpected find was a single stray *Strymon columella*. This species is normally not seen out of its home range in Texas and Florida, but its straying far northward is not unprecedented,

as it was once found in New York State. Monarchs were seen from 14 May through 15 October, with numbers significantly up from last year.

Several southern stray or migrant moth species were collected, with the most notable being *Xylophanes tersa*, *Thysanta zenobia*, and *Magusa orbifera*. Introduced European Noctuids continue to spread. *Noctua pronuba* is showing up in numbers statewide, having increased dramatically since its first documentation in 1995. While the novelty of finding *Noctua pronuba* is wearing off, *Apamea ophiogramma* has been newly recorded in Wisconsin wetlands.

New county records are indicated by county names appearing in CAPITAL letters.

Abbreviations:

SNA State Natural Area
SFA State Fishery Area
SP State Park



NABA Butterfly Count 2000

The 26th Annual NABA 4th of July Butterfly Count 2000 will be held this summer. Watch for detailed information in our June issue.

2000 Dues Notice!

For the convenience of members who haven't paid their dues for 2000, a collection envelope is enclosed with this newsletter. No envelope is provided if you are paid up for 2000 or beyond. Please check the address label on this newsletter for your current dues status. Send check to our treasurer, Tom Rocheleau, 3100 Buena Vista St., Madison, WI 53704. Also appearing after your name will be your membership category (Individual, Family, Sustaining, or Patron). Be sure to notify us of any address changes when you send in your check or you may notify Les Ferge at his address given at the bottom of this page. ☺

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Contributors cited:

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RJB Robert J. Borth
RB Ryan Brady
SCB Steven C. Bransky
JAE James A. Ebner
DF Dave Fallow
CBF Carol B. Ferge
LAF Leslie A. Ferge
P/F Jim Parkinson & Les Ferge
WEK Waldemar E. Kmentt
KDL Karl & Dorothy Legler
JCP James C. Parkinson
TR Tom Rocheleau
MS Michael Sabourin
JJS Janice J. Stiefel
SAS Ann & Scott Swengel

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The Wisconsin Entomological Society Newsletter is published three times a year, at irregular intervals. It is provided to encourage and facilitate the exchange of information by the membership, and to keep the members informed of the activities of the organization. Members are strongly encouraged to contribute items for inclusion in the newsletter. Please send all news items, notes, new or interesting insect records, season summaries, and research requests to the editor:

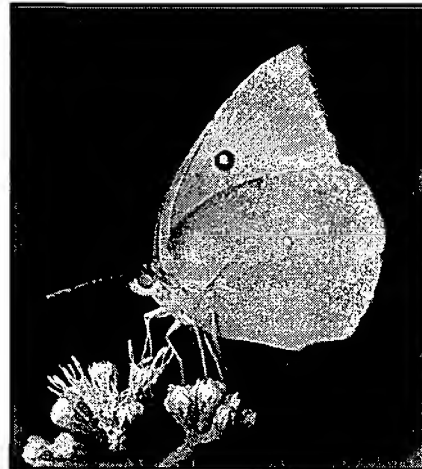
Janice Stiefel, W6311 Mullet Lane, Plymouth, WI 53073. e-mail: jstiefel@excel.net

NOTE: Please report any address changes to Les Ferge, 7119 Hubbard Ave., Middleton, WI 53562. e-mail: ferge@chorus.net

1999 Photo Salon Winners



Question Mark Butterfly (*Polygonia interrogatoris*) **FIRST PLACE**
Janice Stiefel, Plymouth, WI — Photographed: 9/15/99, Town of Greenbush,
Sheboygan Co., WI—Nikon N50, 55mm macro lens, Kodachrome 200



Southern Dogface Butterfly
(*Colias cesonia*)

THIRD PLACE

Karl Legler, Sauk City, WI
Photographed: 9/4/99
Minolta, 200mm lens
on extension tubes,
Kodak Elite 200 slide film



Brown-Hooded Owlet Moth Larva
(*Cucullia convexipennis*)

SECOND PLACE (Tie)

Janice Stiefel, Plymouth, WI
Photographed: 9/7/97
Town of Bailey's Harbor, Door Co., WI
Nikon N50, 55mm macro lens
Kodachrome 200



Luna Moth (*Actias luna*)

SECOND PLACE (Tie)

Mark Evans, Madison, WI
6 a.m. in dew, woodland meadow
Georgetown Muller Hill
Madison Co., NY
ASA 100 w/tripod

BUG BYTES...



Backyard and field
observations, plus
information of interest

Karla Chaudoir of Weyauwega, WI and a WES member, has more than edible food in her family's refrigerator these days. In fact, her husband, Jeff, never knows what is lurking inside those various sizes of jars and vessels. They appear to contain green, stringy material like mosses and sticks, along with odd-shaped brown or green capsules.

Actually, last fall Karla rescued 43 Black Swallowtail caterpillars from her parsnip patch. They were destined to be squashed when plans were made for tilling the garden. After being gently and lovingly gathered together by her children, Justin and Katherine, they were fed salvaged parsnip leaves and ultimately formed chrysalides. Presently they are residing in the family refrigerator. Needless to say, when spring arrives, Jeff will have the refrigerator back and the children will witness the metamorphoses of the beautiful Black Swallowtail butterflies. ☞

Did you Know?



The 1789 inaugural gown of Martha Washington had a tight-fitted bodice and voluminous skirt. It was made of salmon pink faille, from fabric which was probably purchased in London. The dress featured a hand-painted ribbon medallion design and hand-painted wildflowers native to North America—violets, buttercups, daisies, morning glories, as well as spiders, grasshoppers, flies, a ladybug, and a wasp.



Many-legged Creatures Differ Greatly

by Roy Lukes

Not every little critter that creeps or crawls is either an insect or a bug. Millipedes, centipedes, ticks, mites, and spiders are only a few of the common creatures inhabiting your home or property that belong to entirely different classes of animals.

The incredible millipedes and centipedes, which are bound to surprise us every year during our exploratory hikes into the woods and fields, belong to the class *Chilopoda* (ki-LOP-o-da). This is one of the four classes—the other three including insects, spiders and crustaceans—that belongs to the huge and immeasurably important phylum *Arthropoda* (ar-THROP-o-da).

During our scrutinizing of the woodland floor, we invariably find one of our very favorite chilopods (KIL-o-pod), a creature we simply call a giant millipede. A big specimen will measure around 3½ in. in length and always proves to be a pure delight to the touch as it crawls over our extended hands.

How fascinating it is watching 400 or more legs move in fluid rhythmic, wavelike motion. At any one instant there appears to be seven or either small groups of legs, each assemblage moving in the same direction. To see some groups moving forward while others appear to be going backward at the same time is downright amazing.

This has to be one of the smoothest forms of locomotion among all land-dwelling creatures. What neutral elegance must exist within their bodies to prevent all these legs from becoming an uncoordinated, tangled mess of movements.

Upon seeing a large crawling invertebrate such as this, you immediately ask yourself, "Is it a centipede or a millipede?"

Both have segmented bodies, the centipede having two legs (one pair) per segment, the millipede displaying four legs (two pair) on each segment.

Centipedes have a varying

number of body segments, a distinct roundish head and one pair of many-jointed "feelers" or antennae. Its front legs are modified into venomous biting organs. They hide by day and hunt by night, preying on insects, worms or slugs. A poison is injected into their victims through their front pair of claws or modified legs. Their bite to humans may be painful but is not fatal.

The common long-legged house centipede, called a "hundred-legger" by some people, kills cockroaches and other harmful as well as harmless insects.

Millipedes differ from centipedes in that, in addition to having two pairs of legs per body segment, they have a less definitive head and they are vegetarians. The Giant Millipede we have enjoyed so much has a very hard shell-like "coat of armor." This crustaceous shell is molted periodically as the animal outgrows it. After molting, the shiny animal hides and becomes somewhat inactive until its new form of natural protection hardens.

The last large woodland millipede we examined amazed us with its hard outer coating. One's first impression upon seeing such a creature is that it is very soft-bodied. The 50 or more plastic-like segments fit so beautifully together, reminding us of a goose-neck lamp or a section of the old-fashioned, flexible, metal electrical conduit.

Millipedes are animals of dark, damp places such as deep shady woods and are often discovered beneath decaying leaves and logs. They feed mainly upon dead plant material and occasionally live plant roots.

They do not bite or sting. When dropped or attacked, millipedes roll up into a tight coil with their head at the center. In this position their softer underparts are protected. While in its coiled position, the millipede reminds us of an armadillo.

Another form of protection the



Giant Millipede

Photo: Roy Lukes

Baraboo Hills, Baxter's Hollow, 9/13/86

millipede has at its disposal are scent glands located along its sides that are capable of giving off a very unpleasant odor, according to those people who have experienced it. An analysis of the chemical dispelled from the "stink glands" of most common millipedes finds it to contain hydrocyanic acid, iodine and quinone. It can be squirted a considerable distance and is toxic enough to kill certain insects.

We have been fortunate that the millipedes we've handled in the past have all been kind to us and have left no unpleasant odor whatsoever on our hands. Returning them to their dark and mysterious haunts, we are always reminded of the great beauty and fascinating biodiversity of our natural world, something that should be receiving continued study, preservation and the utmost of respect from every living person. ☺

WES member, Roy Lukes, is the author of five books and has been writing nature columns for over 30 years in various publications. He and his wife, Charlotte, operate their *Nature-Wise* business out of their home in the woods near Egg Harbor, WI. They teach nature classes, present illustrated lectures, and sell their nature photographs while trying to keep Door County wild. His fifth book, *Tales of the Wild*, was released in November 1999 and is available by contacting Roy at (920) 823-2478; or by mail at 3962 Hillside Rd., Egg Harbor, WI 54209-9432.

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<http://doorbell.net/lukes/index.htm>

MONA No.	SPECIES NAME	COUNTY	LOCALITY	DATE 1	DATE 2	CONTR.
BUTTERFLIES						
Hesperiidae						
3961	Erynnis persius (Scudder)	Adams	Quincy Twp.	11 May 1999		SCB
3961	Erynnis persius (Scudder)	Eau Claire	Coon Fork Barrens SNA	26 May 1999		TR
3961	Erynnis persius (Scudder)	MARQUETTE	Observatory Hill SNA	14 May 1999		CBF
3977	Pholisora catullus (Fabricius)	Waukesha	Okauchee	18 Aug 1999	26 Aug 1999	JAE
3982	Carterocephalus palaemon mandan (Edw.)	ADAMS	Quincy Twp.	11 May 1999		SCB
4013	Hylephila phyleus (Drury)	Dane	U. W. Campus	26 Jul 1999		TR
4013	Hylephila phyleus (Drury)	Dane	Middleton	18 Sep 1999		LAF
4013	Hylephila phyleus (Drury)	Grant	Cassville & Jamestown Twp.	28 Aug 1999		P/F
4013	Hylephila phyleus (Drury)	GREEN		28 Aug 1999		KDL
4013	Hylephila phyleus (Drury)	RICHLAND	Lone Rock	28 Aug 1999		LAF
4013	Hylephila phyleus (Drury)	SAUK	Int. Crane Fdn. & Baraboo	10 Sep 1999	26 Sep 1999	SAS
4013	Hylephila phyleus (Drury)	Waukesha	Okauchee	31 Jul 1999		JAE
4023	Hesperia leonardus leonardus Harris	Portage	Buena Vista Marsh	17 Aug 1999		SAS
4023	Hesperia leonardus leonardus Harris	Wood	Hwy. X	4 Aug 1999	25 Aug 1999	SAS
4049	Atalopedes campestris (Boisduval)	DANE	U. W. Campus	26 Jul 1999		TR
4049	Atalopedes campestris (Boisduval)	RICHLAND	Lone Rock	28 Aug 1999		LAF
4049	Atalopedes campestris (Boisduval)	WAUKESHA	Okauchee	1 Oct 1999	25 Oct 1999	JAE
4058	Poanes massasoit (Scudder)	Marquette	Germania Marsh	10 Jul 1999		P/F
4064	Poanes viator (Edwards)	MARQUETTE	Germania Marsh	10 Jul 1999		P/F
4072	Euphyes dion (Edwards)	MARQUETTE	Germania Marsh	10 Jul 1999		P/F
4080	Atrytonopsis hianna (Scudder)	CLARK	Foster Twp.	29 May 1999		P/F
4080	Atrytonopsis hianna (Scudder)	Jackson	Jackson County Forest	11 May 1999	9 Jun 1999	SAS
Papilionidae						
4170	Papilio cresphontes Cramer	Grant	Jamestown Twp.	28 Aug 1999		LAF
4181	Papilio troilus (Linnaeus)	IOWA	Moscow Twp.			J. McCoy via DF
4184	Eurytides marcellus (Cramer) 1 specimen, sighted	Milwaukee	Fox Point	26 Jun 1999		RJB
Pieridae						
4193	Pontia protodice (Boisduval & LeConte)	Burnett	Crex Meadows	21 Jul 1999		SAS
4193	Pontia protodice (Boisduval & LeConte)	GREEN	Muralt & Oliver Prairie SNA's	12 Jul 1999	26 Jul 1999	SAS
4224	Colias cesonia (Stoll)	Dane		3 Jul 1999	11 Sep 1999	KDL
4224	Colias cesonia (Stoll)	Grant		5 Aug 1999	4 Sep 1999	KDL
4224	Colias cesonia (Stoll)	Sauk	International Crane Foundation	28 Aug 1999	16 Oct 1999	SAS
4228	Phoebis sennae eubule (Linnaeus)	ADAMS	Quincy Twp.	22 Aug 1999		SCB
4228	Phoebis sennae eubule (Linnaeus) ovipositing on partridge pea 20 Aug. (KDL)	Grant	Jamestown Twp.	20 Aug 1999	4 Sep 1999	P/F, KDL
4237	Eurema lisa (Boisduval & LeConte)	COLUMBIA	Rocky Run	11 Jul 1999		SAS
4237	Eurema lisa (Boisduval & LeConte)	Crawford	Prairie Du Chien	28 Aug 1999		P/F
4237	Eurema lisa (Boisduval & LeConte)	Dane		31 Aug 1999		KDL
4237	Eurema lisa (Boisduval & LeConte)	Grant	Cassville & Jamestown Twp.	28 Aug 1999		P/F
4237	Eurema lisa (Boisduval & LeConte)	Jackson	Jackson County Forest	8 Jun 1999	8 Aug 1999	SAS
4237	Eurema lisa (Boisduval & LeConte)	Portage	Buena Vista Marsh	17 Aug 1999		SAS
4237	Eurema lisa (Boisduval & LeConte)	Sauk	Int. Crane Fdn. & Mirror L. SP	11 Jun 1999	16 Aug 1999	SAS
4237	Eurema lisa (Boisduval & LeConte)	Waukesha	Okauchee	23 Jul 1999		JAE
4242	Eurema nicippe (Cramer)	ROCK		28 Aug 1999		KDL
4248	Nathalis iole Boisduval	Adams	Quincy Twp.	22 Aug 1999		SCB
4248	Nathalis iole Boisduval	BAYFIELD	Grand View	28 Aug 1999		RB
4248	Nathalis iole Boisduval	Crawford	Prairie Du Chien	28 Aug 1999		P/F
4248	Nathalis iole Boisduval	Douglas	Murray L. Rd. & Cheney L. Rd.	3 Aug 1999		SAS
4248	Nathalis iole Boisduval	Jackson	Jackson County Forest	8 Aug 1999		SAS
4248	Nathalis iole Boisduval	MARQUETTE		6 Jun 1999		KDL
4248	Nathalis iole Boisduval	Portage	Buena Vista Marsh	4 Aug 1999		SAS
4248	Nathalis iole Boisduval	ROCK		28 Aug 1999		KDL
4248	Nathalis iole Boisduval	Sauk	Int. Crane Fdn. & Mirror L. SP	30 Jul 1999	16 Oct 1999	SAS
4248	Nathalis iole Boisduval	Wood	Hwy. X	4 Aug 1999		SAS
Lycaenidae						
4249	Feniseca tarquinius (Fabricius)	ASHLAND		15 Aug 1999		RB
4249	Feniseca tarquinius (Fabricius)	FOND DU LAC		15 Jul 1999		KDL
4249	Feniseca tarquinius (Fabricius)	TAYLOR	Chelsea	25 Aug 1999		SCB
4256	Lycaena hylus (Cramer)	Bayfield		1 Jul 1999		RB
4256	Lycaena hylus (Cramer)	Waukesha	Oconomowoc	22 Sep 1999		JAE

4318	Mitoura grynea (Hubner)	Grant	Cassville	2 May 1999		CBF
4318	Mitoura grynea (Hubner)	Marquette	Observatory Hill SNA	14 May 1999		LAF
4325	Incisalia irus (Godart)	Jackson	Jackson County Forest	4 May 1999	22 May 1999	SAS
4325	Incisalia irus (Godart)	Wood	Hwy. X	4 May 1999	2 Jun 1999	SAS
4326	Incisalia henrici (Grote & Robinson)	EAU CLAIRE	Pea Creek Sedge Meadow SNA	1 May 1999		TR
4326	Incisalia henrici (Grote & Robinson)	Jackson	Jackson County Forest	4 May 1999		SAS
4326	Incisalia henrici (Grote & Robinson)	Waukhara	Wild Rose	10 May 1999		TR
4336	Strymon melinus Hubner	ADAMS	Quincy Twp.	11 May 1999		SCB
4336	Strymon melinus Hubner	Dane		31 Aug 1999		KDL
4336	Strymon melinus Hubner	JACKSON	Jackson County Forest	8 Jun 1999	8 Aug 1999	SAS
	1 specimen, orienting to lupine					
4336	Strymon melinus Hubner	WAUSHARA	Cedar Springs SFA	10 May 1999		TR
4345	Strymon columella (Fabricius)	CRAWFORD	Prairie du Chien	21 Aug 1999		P/F
	STATE RECORD, 1 specimen nectaring on Vervain					
4360	Hemiargus isola (Reakirt)	Grant		4 Sep 1999		KDL
4360	Hemiargus isola (Reakirt)	JACKSON	Jackson County Forest	27 Jul 1999	8 Aug 1999	SAS
	1 specimen, attracted to rabbitfoot clover					
4360	Hemiargus isola (Reakirt)	Sauk	International Crane Foundation	13 Aug 1999		SAS
4363.1	Celastrina neglecta (Edwards)	MARQUETTE	Comstock Bog SNA	4 Jul 1999		LAF
4363.1	Celastrina neglecta (Edwards)	Waukesha	Okauchee	27 Aug 1999		JAE
4375	Lycaeides melissa samuelis Nabokov	Green Lake		6 Jul 1999		KDL
4375	Lycaeides melissa samuelis Nabokov	Marquette	Observatory Hill SNA	14 May 1999		LAF
Riodinidae						
4391	Calephelis muticum McAlpine	Fond du Lac		15 Jul 1999		KDL
4391	Calephelis muticum McAlpine	Marinette	Pound	2 Aug 1999		SSB
	larvae on swamp thistle					
4391	Calephelis muticum McAlpine	Marquette	Chaffee Creek	14 Jul 1999		SAS
Nymphalidae						
4410	Libytheana carinenta (Cramer)	Grant	Cassville	28 Aug 1999	6 Sep 1999	JCP, TR, LAF
4410	Libytheana carinenta (Cramer)	Green	Muralt Prairie SNA	26 Jul 1999		SAS
4410	Libytheana carinenta (Cramer)	IOWA	Thompson Prairie	26 Jul 1999		SAS
4410	Libytheana carinenta (Cramer)	Rock		28 Aug 1999		KDL
4410	Libytheana carinenta (Cramer)	Sauk	International Crane Foundation	16 Aug 1999	10 Oct 1999	SAS
4430	Nymphalis vau-album j-album (Bdv. & LeC.)	Waukesha	Okauchee	2 Jul 1999		JAE
4433	Aglais milberti (Godart)	Waukesha	Okauchee	27 Mar 1999	26 Oct 1999	JAE
4440	Junonia coenia (Hubner)	ADAMS	Leola Wildlife Area	14 Jul 1999		SAS
4440	Junonia coenia (Hubner)	Bayfield	Moquah Barrens	21 Jul 1999		SAS
4440	Junonia coenia (Hubner)	Bayfield	N. Gt. Lks. Visitor Center	1 Sep 1999	15 Sep 1999	RB
4440	Junonia coenia (Hubner)	Burnett	Kohler-Peet Barrens SNA	18 Jul 1999		LAF
4440	Junonia coenia (Hubner)	Burnett	Crex Meadows	21 Jul 1999		SAS
4440	Junonia coenia (Hubner)	COLUMBIA	Rocky Run	11 Jul 1999		SAS
4440	Junonia coenia (Hubner)	Door		27 Jul 1999		KDL
4440	Junonia coenia (Hubner)	FOND DU LAC		15 Jul 1999		KDL
4440	Junonia coenia (Hubner)	Grant	Cassville	28 Aug 1999		P/F
4440	Junonia coenia (Hubner)	Jackson	Jackson County Forest	8 Jun 1999	25 Aug 1999	SAS
4440	Junonia coenia (Hubner)	Portage	Buena Vista Marsh	9 Jun 1999	17 Aug 1999	SAS
4440	Junonia coenia (Hubner)	ROCK		28 Aug 1999		KDL
4440	Junonia coenia (Hubner)	Sauk	International Crane Foundation	11 Jun 1999	20 Sep 1999	SAS
4440	Junonia coenia (Hubner)	TREMPEALEAU		13 Jul 1999		KDL
4440	Junonia coenia (Hubner)	Waukesha	Okauchee	14 Jun 1999		JAE
4447	Euptoieta claudia (Cramer)	Burnett	Crex Meadows	21 Jul 1999		SAS
4447	Euptoieta claudia (Cramer)	Green	Oliver Prairie SNA	26 Jul 1999		SAS
4447	Euptoieta claudia (Cramer)	Iowa	Thompson Prairie	26 Jul 1999		SAS
4447	Euptoieta claudia (Cramer)	Jackson	Jackson County Forest	8 Jun 1999		SAS
4447	Euptoieta claudia (Cramer)	Portage	Buena Vista Marsh	28 Jul 1999	17 Aug 1999	SAS
4452	Speyeria idalia (Drury)	Portage	Buena Vista Marsh	23 Jun 1999	17 Aug 1999	SAS
4452	Speyeria idalia (Drury)	St. Croix	W of Roberts	9 Jul 1999		SAS
4463	Boloria eunomia dawsoni (Barnes & McD.)	Douglas	Oakland Twp.	12 Jun 1999		JCP
4466	Boloria frigga (Thunberg)	Forest	Mole Lake	22 May 1999		TR
4474	Boloria titania grandis (Barnes & McD.)	Douglas	Summit Twp.	17 Aug 1999		LAF
4489	Chlosyne gorgone carlota (Reakirt)	FOND DU LAC		15 Jul 1999		KDL
4489	Chlosyne gorgone carlota (Reakirt)	Trempealeau		13 Jul 1999		KDL
4491	Chlosyne harrisii (Scudder)	BAYFIELD	N. Gt. Lks. Visitor Center	24 Jun 1999		RB
4491	Chlosyne harrisii (Scudder)	MARQUETTE		6 Jun 1999		KDL
4516	Euphydryas phaeton (Drury)	ASHLAND	Bad River Reservation	20 Jun 1998		RB
4516	Euphydryas phaeton (Drury)	BAYFIELD	N. Gt. Lks. Visitor Center	2 Jul 1999		RB
4611	Oeneis jutta ascerta Masters & Sorenson	Clark	Foster Twp.	29 May 1999		LAF

4614	<i>Danaus plexippus</i> (Linnaeus)	Marquette	Montello	14 May 1999	LAF
4614	<i>Danaus plexippus</i> (Linnaeus)	Sauk	International Crane Foundation	15 Oct 1999	SAS

M O T H S

Pyralidae					
4992	<i>Uresiphita reversalis</i>	Dane	Middleton	3 Sep 1999	LAF

Geometridae					
6431	<i>Hesperumia sulphuraria</i> Pack.	DOUGLAS	Solon Springs Barrens SNA	19 Jul 1999	TR
6693	<i>Apodrepanulatrix liberaria</i> (Wlk.)	BURNETT	Kohler-Peet Barrens SNA	20 Aug 1999	TR
7179	<i>Leptostales rubromarginaria</i> (Pack.)	Marinette	Dunbar Barrens SNA	16 May 1999	RJB
7285	<i>Triphosia haesitata affirmaria</i> (Wlk.)	DOOR	Bailey's Harbor	1 May 1999	JJS
7415	<i>Orthonama evansi</i> (McD.)	WAUSHARA	Bass Lake Fen SNA	8 Jun 1999	TR
7527	<i>Eupithecia ammonata</i> McD.	BURNETT	Grantsburg	26 May 1998	MS
STATE RECORD, eastern range extension, det. G. J. Balogh					

Saturniidae					
7716	<i>Anisota stigma</i> (F.)	Burnett	Kohler-Peet Barrens SNA	12 Jun 1999	18 Jul 1999 LAF
75-100 specimens, all males, seen on 20-21 June by JCP & TR					
7723	<i>Anisota virginensis</i> (Drury)	Burnett	Swiss Twp.	8 Jun 1999	JCP

Sphingidae					
7784	<i>Dolba hyleus</i> (Drury)	Marquette	Comstock Bog SNA	23 Jul 1999	JCP
7796	<i>Sphinx eremitus</i> (Hbn.)	MARQUETTE	Comstock Bog SNA	23 Jul 1999	JCP
7854	<i>Hemaris gracilis</i> (G. & R.)	Adams	Quincy Twp.	11 May 1999	SCB
7854	<i>Hemaris gracilis</i> (G. & R.)	EAU CLAIRE	South Fork Barrens SNA	26 May 1999	TR
7890	<i>Xylophanes tersa</i> (L.)	Dane	Middleton	3 Sep 1999	LAF
7890	<i>Xylophanes tersa</i> (L.)	MARQUETTE	Comstock Bog SNA	9 Jul 1999	JCP
7893	<i>Hyles gallii</i> (Rottemburg)	BAYFIELD	Moquah Barrens	7 Jun 1999	JCP

Notodontidae					
8006	<i>Schizura badia</i> (Pack.)	BURNETT	Kohler-Peet Barrens SNA	12 Jun 1999	LAF
8009	<i>Schizura apicalis</i> (G. & R.)	BURNETT	Kohler-Peet Barrens SNA	20 Jun 1999	TR
8022	<i>Hyparpax aurora</i> (J. E. Smith)	Burnett	Kohler-Peet Barrens SNA	21 Jun 1999	JCP

Arctiidae					
8146	<i>Ecpantheria scribonia</i> (Stoll)	Burnett	Kohler-Peet Barrens SNA	21 Jun 1999	JCP
8146	<i>Ecpantheria scribonia</i> (Stoll)	MARQUETTE	Observatory Hill SNA	31 Mar 1999	LAF
larva (parasitized)					
8188	<i>Grammia figurata</i> (Drury)	BURNETT	Kohler-Peet Barrens SNA	12 Jun 1999	21 Jun 1999 LAF, JCP, TR

Noctuidae					
8358	<i>Macrochilo litophora</i> (Grt.)	WAUSHARA	Cedar Springs SFA	15 May 1999	TR
8359	<i>Macrochilo bivittata</i> (Grt.)	FOREST	Mole Lake	20 Jul 1999	TR
8413	<i>Mycterophora inexplicata</i> (Wlk.)	DOUGLAS	Solon Springs Barrens SNA	19 Jul 1999	TR
8588	<i>Panopoda carneicosta</i> Gn.	JACKSON	Bauer-Brockway Barrens SNA	7 Jun 1999	TR
8618	<i>Drasteria graphica atlantica</i> B. & McD.	Waushara	Coloma	15 May 1999	8 Jun 1999 TR
8647	<i>Thysania zenobia</i> (Cram.)	BAYFIELD	N. Gt. Lks. Visitor Center	21 Sep 1999	RB
third historic record and northernmost WI record					
8698	<i>Zale phaeocapna</i> Franc.	Grant	Nelson Dewey State Park	19 May 1999	TR
8781	<i>Catocala judith</i> Stkr.	MARQUETTE	Observatory Hill SNA	23 Jul 1999	LAF
8822	<i>Catocala meskei</i> Grt.	Dane	Middleton	14 Aug 1999	CBF
8843	<i>Catocala whitneyi</i> Dodge	BURNETT	Kohler-Peet Barrens SNA	18 Jul 1999	LAF
8844	<i>Catocala arnestris</i> Stkr.	BURNETT	Kohler-Peet Barrens SNA	18 Jul 1999	LAF
8844	<i>Catocala arnestris</i> Stkr.	Burnett	Grantsburg	23 Aug 1999	MS
8877	<i>Catocala connubialis</i> Gn.	MARQUETTE	Comstock Bog SNA	9 Jul 1999	23 Jul 1999 JCP
8877	<i>Catocala connubialis</i> Gn.	WAUSHARA	Cedar Springs SFA	15 May 1999	TR
8880	<i>Abrostola ovalis</i> Gn.	BURNETT	Kohler-Peet Barrens SNA	24 Jul 1999	JCP
8889	<i>Ctenoplusia oxygramma</i> (Gey.)	Dane	Middleton	3 Sep 1999	LAF
8890	<i>Pseudoplusia includens</i> (Wlk.)	Dane	Middleton	3 Sep 1999	LAF
8907	<i>Megalographa biloba</i> (Steph.)	Bayfield	Raspberry Island	21 Jun 1999	LAF
8907	<i>Megalographa biloba</i> (Steph.)	Marathon	Mosinee	31 Mar 1999	JCP
8957	<i>Paectes oculatrix</i> (Gn.)	BURNETT	Kohler-Peet Barrens SNA	12 Jun 1999	LAF
8957	<i>Paectes oculatrix</i> (Gn.)	TREMPEALEAU	Trempealeau	31 Jul 1999	RJB
9025	<i>Oruza albocostaliata</i> (Pack.)	BURNETT	Kohler-Peet Barrens SNA	18 Jul 1999	LAF
9061	<i>Cerna cora</i> Hbn.	DOUGLAS	Solon Springs Barrens SNA	28 May 1999	TR
9085	<i>Tarachidia semiflava</i> (Gn.)	Waushara	Wautoma (White River SFA)	15 May 1999	TR
9169	<i>Bagisara rectifascia</i> (Grt.)	DOUGLAS	Solon Springs Barrens SNA	20 Aug 1999	TR

9221	Acronicta funeralis G. & R.	BURNETT	Kohler-Peet Barrens SNA	21 Jun 1999		JCP
9254	Acronicta afflicta Grt.	BAYFIELD	Moquah Barrens	8 Jun 1999		JCP
9309	Psychomorpha epimenis (Drury)	BURNETT	Grantsburg	3 May 1999		MS
9343	Apamea apamiformis (Gn.)	Forest	Mole Lake	20 Jul 1999		TR
9343	Apamea apamiformis (Gn.)	Oneida	Rice Lake-Thunder Lake SNA	17 Jul 1999		LAF
9343	Apamea apamiformis (Gn.)	Waushara	Bass Lake Fen SNA	12 Jul 1999		TR
9344	Apamea plutonia (Grt.)	DOUGLAS	Solon Springs Barrens SNA	19 Jul 1999		TR
9361	Apamea mixta (Grt.)	FOREST	Logger Lake	20 Jul 1999		TR
9361	Apamea mixta (Grt.)	LANGLADE	Bogus Swamp SNA	20 Jul 1999		TR
	STATE RECORD					
9362.1	Apamea ophiogramma (Esper)	FOREST	Armstrong Creek Bog	1 Jul 1999	3 Jul 1999	RJB
	STATE RECORD, several specimens					
9362.1	Apamea ophiogramma (Esper)	ONEIDA	Rice Lake-Thunder Lake SNA	17 Jul 1999		LAF
9362.1	Apamea ophiogramma (Esper)	WAUSHARA	Bass Lake Fen SNA	12 Jul 1999		TR
9365	Apamea lateritia (Hufn.)	DOUGLAS	Solon Springs Barrens SNA	20 Jun 1999		TR
9365	Apamea lateritia (Hufn.)	Forest	Armstrong Creek Bog	1 Jul 1999		RJB
9439	Chortodes basistriga (McD.)	Oneida	Rice Lake-Thunder Lake SNA	8 Sep 1999		LAF
9501	Papaipema eupatorii (Lyman)	Jackson	Black River Falls	18 Sep 1999		JCP
9524	Bellura brehmei (B. & McD.)	FOREST	Armstrong Creek Bog	2 Jul 1999		RJB
9526	Bellura densa (Wlk.)	MARQUETTE	Cornstock Bog SNA	23 Jul 1999		LAF
9637	Magusa orbifera (Wlk.)	BAYFIELD	Raspberry Island	16 Aug 1999		LAF
9637	Magusa orbifera (Wlk.)	DOUGLAS	Solon Springs Barrens SNA	20 Aug 1999		TR
9637	Magusa orbifera (Wlk.)	Jackson	Bauer-Brockway Barrens SNA	16 Aug 1999		TR
9637	Magusa orbifera (Wlk.)	RICHLAND	Richwood Twp.	10 Jul 1999		JCP
9657	Caradrina multifera (Wlk.)	BAYFIELD	Raspberry Island	16 Aug 1999		LAF
9887.1	Lithophane franclemonti Metzler	Dane	Festge County Park	4 Apr 1999		TR
9887.1	Lithophane franclemonti Metzler	MARQUETTE	Observatory Hill SNA	27 Mar 1999	31 Mar 1999	P/F
9979	Xylotype acadia B. & Benj.	Jackson	Black River Falls	18 Sep 1999		JCP
10020	Psaphida thaxteriana (Grt.)	MARQUETTE	Observatory Hill SNA	27 Mar 1999	1 Apr 1999	JCP
10059	Homohadena badistriga (Grt.)	BURNETT	Kohler-Peet Barrens SNA	18 Jul 1999		LAF
10065	Homohadena infixa (Wlk.)	BURNETT	Kohler-Peet Barrens SNA	21 Jun 1999		JCP
10108	Oncocnemis viriditincta Sm.	DOUGLAS	Solon Springs Barrens SNA	20 Aug 1999		TR
10266	Sideridis congermana (Morr.)	DOUGLAS	Solon Springs Barrens SNA	20 Jun 1999	19 Jul 1999	TR
10493	Orthosia segregata (Sm.)	Door	Bailey's Harbor	2 May 1999		JJS
10702	Euxoa divergens (Wlk.)	DOUGLAS	Solon Springs Barrens SNA	20 Jun 1999		TR
10714	Euxoa quebecensis (Sm.)	Ashland	Outer, Rocky & Stockton Islands	21 Jun 1999		LAF
10714	Euxoa quebecensis (Sm.)	Bayfield	Raspberry Island	21 Jun 1999		LAF
10730	Euxoa lidia thanatologia (Dyar)	DOUGLAS	Solon Springs Barrens SNA	20 Jun 1999		TR
10731	Euxoa auxiliaris (Grt.)	BURNETT	Kohler-Peet Barrens SNA	12 Jun 1999		LAF
10738	Euxoa mimallonis (Grt.)	DOUGLAS	Solon Springs Barrens SNA	20 Aug 1999		TR
10869	Richia grotei (Franc. & Todd)	RICHLAND	Richwood Twp.	20 Aug 1999		JCP
10968.1	Xestia praevia Lafontaine	BURNETT	Kohler-Peet Barrens SNA	18 Jul 1999		LAF
10968.1	Xestia praevia Lafontaine	Forest	Armstrong Creek Bog	20 Jul 1999		TR
10968.1	Xestia praevia Lafontaine	Vilas	Land O' Lakes Twp.	14 Jul 1999		JCP
10992	Paradiarsia littoralis (Pack.)	Burnett	Namekagon Barrens	20 Jun 1999		TR
10997	Cerastis fishii (Grt.)	DOUGLAS	Milchesky Road Bog	28 May 1999		TR
11012.1	Noctua pronuba (L.)	Ashland	Rocky Island	16 Aug 1999		LAF
11012.1	Noctua pronuba (L.)	BURNETT	Kohler-Peet Barrens SNA	20 Aug 1999		TR
11012.1	Noctua pronuba (L.)	DANE	Madison	26 Jul 1999	1 Aug 1999	TR
11012.1	Noctua pronuba (L.)	DOOR	Bailey's Harbor	14 Aug 1999		JJS
11012.1	Noctua pronuba (L.)	DOUGLAS	Solon Springs Barrens SNA	19 Jul 1999		TR
11012.1	Noctua pronuba (L.)	FOREST	Armstrong Creek Bog	1 Jul 1999	3 Jul 1999	RJB
11012.1	Noctua pronuba (L.)	Forest	Mole Lake	20 Jul 1999		TR
11012.1	Noctua pronuba (L.)	LINCOLN	Gleason	19 Jun 1999		JCP
11012.1	Noctua pronuba (L.)	MARATHON	Wausau	18 Jun 1999	23 Sep 1999	JCP
11012.1	Noctua pronuba (L.)	MARQUETTE	Cornstock Bog SNA	23 Jul 1999		LAF
11012.1	Noctua pronuba (L.)	ONEIDA	Rice Lake-Thunder Lake SNA	14 Aug 1999		LAF
11012.1	Noctua pronuba (L.)	RICHLAND	Lone Rock	10 Aug 1999		LAF
11012.1	Noctua pronuba (L.)	Waushara	Bass Lake Fen SNA	8 Jun 1999		LAF
11072	Heliothis phloxiphagus G. & R.	CRAWFORD	Prairie du Chien	21 Aug 1999		JCP
11072.1	Heliothis acesias F. & R.	RICHLAND	Richwood Twp.	10 Jul 1999		JCP
11072.1	Heliothis acesias F. & R.	ROCK	Beloit	19 Jul 1999		WEK
11095	Schinia indiana (Sm.)	Burnett	Crex Meadows & Danbury	25 May 1999		SAS
11095	Schinia indiana (Sm.)	Jackson	Jackson County Forest	1 Jun 1999		SAS
11174	Schinia lucens (Morr.)	IOWA	Deer Valley Golf Course	15 Jul 1999		SAS
11174	Schinia lucens (Morr.)	ST. CROIX	W. of Roberts	9 Jul 1999		SAS

Address Correction Requested

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NOTICE TO MEMBERS:

Peter Messer, of Mequon and a WES member, is interested in collections and taxonomy of the beetles (primarily) and true bugs of Wisconsin and Great Lakes Region. He would like to purchase the following out-of-print works for his home research library:

Blatchley, W.S. and Leng, C. W. *Rhynchophora* or Weevils of Northeastern North America, The Nature Publishing Company, 1916.

Gordon, Robert D. The Coccinellidae of America North of Mexico. Journal of the New York Entomological Society Vol. 93 (95?), Jan. 1985.

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Entertaining Royalty!

by Pat Seawell

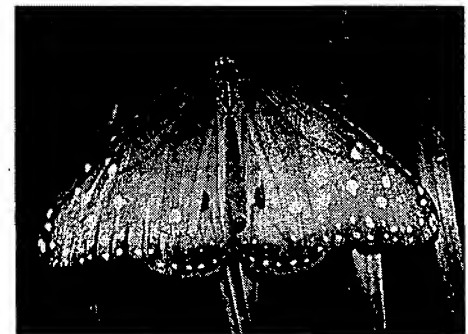
It's *Eupatorium coelestinum*, Wild Ageratum or Blue Boneset. Native from New Jersey to the Gulf of Mexico. Texans call it Blue Mistflower. I call it Blue Magnet...I call it Blue Manna...I call it the most exciting plant in my wildscape.

That's because of the Queens! In late February, when the Blue Mistflower plants push through the mulch, the Queens arrive to check on them. By late March, when the plants begin blooming, the Queens arrive to stay...and stay...and stay! Swallowtails, Sulphurs, Fritillaries, Monarchs, Skippers, and many other butterflies flutter in and out to "visit" the Blue Mistflower. The Queens don't "visit." The Queens "stay."

A bit smaller and browner, but otherwise resembling Monarchs, Queens (*Danaus gilippus*) specialize in pure drama. On any sunny day from March through December, my guests and I can approach the Blue Mistflower and be thrilled by a wondrous display. Dozens

of Queens rise, swirl gracefully about our heads, then settle peacefully back to their banquet. Thus, an ordinary day becomes spectacular. Because I planted Blue Mistflower, we've been greeted by royalty. ♀

Pat is a WES member residing in San Antonio, TX. A retired high school English teacher, she reads, writes books for children, and watches caterpillars graze.



Queen (*Danaus gilippus*)
MPM Butterflies ALIVE Exhibit, 11/13/99
Photo: Janice Stiefel